This report is required by law (? USC 21 43) Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

United States Department of Agriculture
Animal and Plant Health Inspection Service

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

1. Registration No. 84-F-0001

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA including zip code)
USDA, APHIS, WS, NWRC
4101 LaPorte Avenue
Fort Collins, CO 80521
(970) 266-6000

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A)

A. Animals Covered By The Animal Welfare Regulations 12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching experiments, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in those animals and the reasons such drugs were not used must be attached to this report.	Total No. of Animals (Cols. C + D + E)
Coyotes	39	102	24	8	134
Raccoons	0	54	0	0	54
Polynesian Rats	142	141	0	0	141
Roof Rats	130	124	0	0	124
Norway Rats	55	35	0	0	35
Gambian Pouched Rat	32	0	0	0	0
House Mouse	163	175	0	0	175
Voles	39	0	0	0	0
Grey Squirrel	0	44	0	0	44
Pocket Gopher	21	0	0	0	0
Prairie Dogs	0	91	0	18	109
Big Brown Bats	36	0	0	0	0
Beaver	33	13	0	0	13

ASSURANCE STATEMENTS

1) Professionally acceptable standards governing the care, treatment, and use of animals including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility. 2) Each principal investigator has considered alternatives to painful procedures. 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

	Name & Title of CEO or Institutional Official (type or print)	Date Signed
(b)(6),(b)(7)(c)	(b)(6),(b)(7)(c)	11/30/07

APHIS FORM 7023 (Aug 91) (Replaces VS FORM 18-23 (OCT 88) which is obsolete)

NOV 30 2007
NOV 28 2007

Column E Explanation - QA 1440

1. Registration Number: 84-F-0001

Eight (8) per phone 01/08/08

2. Number of animals used in this study during this reporting period: ~~Nine (9)~~

3. Species (common name) of animals used in study: Canis latrans (coyote)

4. Explain procedure producing pain and/or distress: Coyotes consumed a bait that contained theobromine and caffeine

5. Provide scientific justification why pain or distress could not be relieved. State method or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see item 6 below)

This was an efficacy test for a toxicant. Co-administration of drugs may impact the observed effects of the test materials and nullify the experimental conclusions. Additionally, only minor distress was observed during this study.

6. What, if any federal regulations require this procedure?

Agency: US Environmental Protection Agency
CFR: Title 40, FIFRA

Column E Explanation QA-1446

1. Registration Number: 84-F-0001

2. Number of animals used in this study during this reporting period: 18

3. Species (common name) of animals used in study: Black-tailed prairie dog

4. Explain procedure producing pain and/or distress: Animals were gavaged with a predetermined amount of chlorophacinone (an anticoagulant) technical material in propylene glycol. The gavage procedure itself did not produce more than temporary stress for the animal. However, the effects of the anticoagulant itself led to more than temporary distress in some animals.

5. Provide scientific justification why pain or distress could not be relieved. State method or means used to determine that pain and/or distress relief would interfere with test results. (For Federally mandated testing, see item 6 below): Of the 70 animals used, 18 animals were considered to be experiencing more than momentary pain or distress. Because the Environmental Protection Agency requires death as an endpoint for toxicants, only those animals suffering extreme pain or distress that were unlikely to survive were euthanized. Of the 20 animals that died during the course of the study, four animals were euthanized. One animal that appeared highly likely to die recovered at the end of the study, illustrating the difficulty in balancing animal welfare issues with obtaining scientifically valid data.

6. What, if any federal regulations require this procedure?

   Agency: Environmental Protection Agency

   CFR: U.S. EPA 1996. Ecological Effects Test Guidelines: Wild Mammal Acute Toxicity. OPPTS 850.2400 *and* OPP Pesticide Assessment Subdivision G: Product Performance. Section 96-12: Rodenticides on Farm and Rangeland.